

Application No. 10/523,810
Reply to Office Action of October 30, 2006

IN THE DRAWINGS

The attached sheets of drawings include changes to Figs. 4 and 5. These sheets, which includes Figs. 4 and 5, replace the original sheets including Figs. 4 and 5.

Attachment: Replacement Sheets (2)

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REMARKS/ARGUMENTS

Favorable reconsideration of this application, in light of the present amendment and following discussion, is respectfully requested.

Initially, Applicants note that provided with the outstanding Office Action of October 30, 2006, was a form PTO-1449 corresponding to an Information Disclosure Statement (IDS) filed February 8, 2005. It appears that the returned form PTO-1449 inadvertently did not initial reference AA which corresponds to U.S. Patent No. 5,555,476. Applicants respectfully request confirmation of consideration of reference AA cited on the noted IDS be provided by returning a new initialed form PTO-1449 indicating consideration of that reference AA.

Claims 5 is pending in the present application; Claim 5 is amended and Claims 1-4 and 6 are cancelled without prejudice or disclaimer. Support for the amendment is found in the originally filed specification at least in the Figures 2A and 2B and page 9, line 17, to page 11, line 6. Thus, no new matter is added.

In the outstanding Office Action, the drawings were objected to; Claim 1 was objected to; Claims 1-3 were rejected under 35 U.S.C. §102(b) as anticipated by Sun (U.S. Patent No. 6,816,307); Claims 4 and 5 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Sun in view of Moriguchi et al. (U.S. Patent No. 4,509,823, hereafter “Moriguchi”); and Claim 6 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Sun in view of Moriguchi and Abe et al. (U.S. Patent No. 6,384,970, hereafter “Abe”).

In response to the objection of Figures 4 and 5, Figures 4 and 5 are amended to include “Background Art” labels.

Accordingly, Applicant respectfully requests the objection to the drawings be withdrawn.

With regard to the objection to Claim 1, Claim 1 is canceled without prejudice or disclaimer. Therefore, the objection to Claim 1 is moot.

With regard to the rejection of Claims 1-3 under 35 U.S.C. § 102(b), Claims 1-3 are canceled without prejudice or disclaimer. Therefore, the rejection of Claims 1-3 is moot.

With regard to the rejection of Claims 4 and 5 under 35 U.S.C. § 103(a), Claim 4 is canceled, rendering its rejection moot, and Claim 5 is amended to recite “A manufacturing method for a lenticular lens sheet comprising ... manufacturing a lenticular lens substrate ... and forming an external light-absorbing layer on the slant surfaces of the external light-absorbing sections; wherein the light-absorbing layer is formed by roll printing; wherein said roll printing is performed by rotating a printing roll in a forward direction and said roll printing using a feeding direction of the lenticular lens substrate being printed on that is parallel to the longitudinal direction of a lenticular lens on the lenticular lens substrate.” Specifically, Figure 2B shows the basis for reciting that the “feeding direction of the lenticular lens substrate being printed on that is parallel to the longitudinal direction of a lenticular lens on the lenticular lens substrate” as recited in Claim 5. Figure 2B is the side view of the device shown in Figure 2A as the ink adhesion side of print roll 4 is shown by the straight line. Thus, Claim 5 is supported by Figures 2A and 2B and is therefore, not new matter.

Applicant asserts that conventional roll printing is done onto a flat plate, whereby the direction of the rotation of the printing and the direction of the sheet movement are opposite. The direction was made opposite because an excellent print could not be produced when using the same direction for the rotation of the printing and the sheet movement as ink became trapped on the upstream side of the sheet. On the other hand, the present invention as claimed uses a print side that does not have a flat form as it has “slant surfaces,” or a triangle form, on the “external light-absorbing sections” as recited in Claim 5. Accordingly, the ink is

not trapped. Therefore, the direction of the rotation of the printing and the direction of the sheet movement are the same or, in other words, “roll printing is performed by rotating a printing roll in a forward direction and said roll printing using a feeding direction of the lenticular lens substrate being printed on that is parallel to the longitudinal direction of a lenticular lens on the lenticular lens substrate” as recited in Claim 5.

None of Sun, Moriguchi, or Abe, alone or in combination, describe “roll printing” as defined by amended Claim 5. Sun describes forming a black oxide layer or black overcoating layer on its two inclined side planes 6c and 6d.¹ Moriguchi describes a masking stripe 7 without describing any method for forming the masking stripe 7.² Finally, Abe describes coating light absorbing ridges 3 with an external light absorbing layer without any description of the “roll printing” as defined by amended Claim 5. Accordingly, as none of Sun, Moriguchi, or Abe, alone or in combination, describe the claimed “roll printing” as defined by amended Claim 5, the method claimed in Claim 5 is patentably distinguishing over Sun, Moriguchi, and Abe.

Therefore, it is respectfully requested that the rejection of Claim 5 be withdrawn.

With regard to the rejection of Claim 6, Claim 6 is canceled without prejudice or disclaimer. Therefore, the rejection of Claim 6 is moot.

¹ Sun, col. 5, lines 40-54.

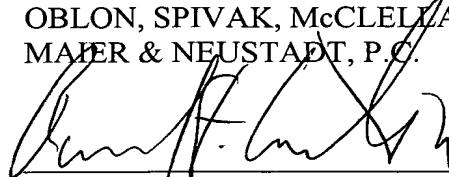
² Moriguchi, col. 7, lines 1-64.

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Consequently, in view of the present amendment and foregoing discussion, it is respectfully submitted that the application is in condition for allowance. An early and favorable action is therefore requested.

Respectfully submitted,

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